

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

VOLUME SIXTEEN

10¢

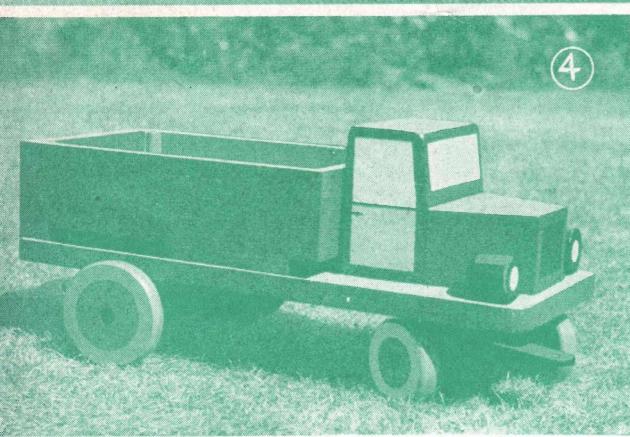
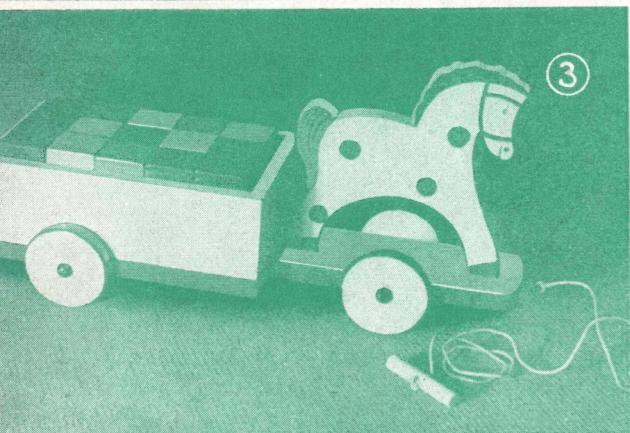
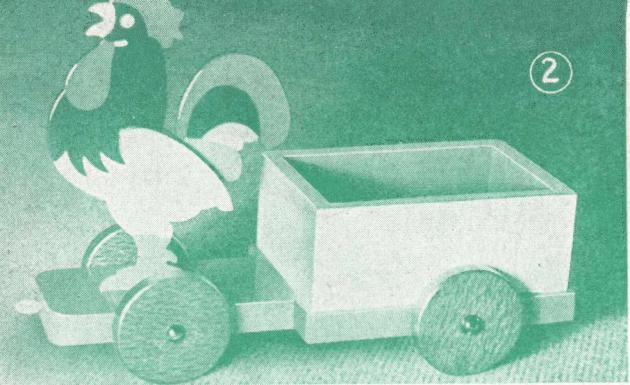
Issue No. 4, 1946, '47

PRICE TEN CENTS



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With D E L T A C R A F T E R S

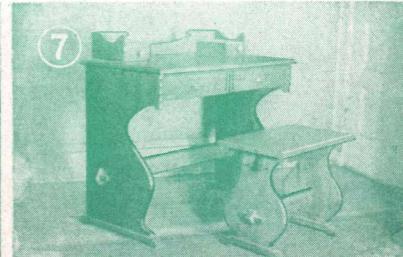
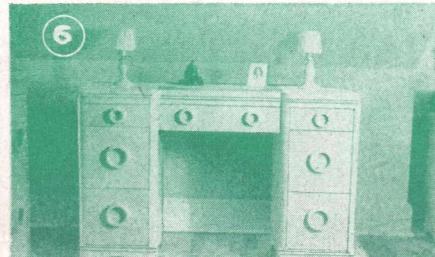
★ The various toy designs pictured here are from a far-away reader of our magazine, Mr. Williams of London, England. He has been making these toys for a local toy store ever since the last war. They have agreed to buy all the toys Mr. Williams can produce.

★ Photos numbered 5, 6 and 7 are projects made by Mr. Endes of Trenton, New Jersey. The desk with the seat was made out of oak finished natural. The painted desk with the two lamps was made from poplar. The scrolled pine book case has a light oak stain finish.

To Our Readers—He hope that the Deltagram has provided all

of you with the type of projects which interest you. We will be pleased to receive any photographs you may have covering projects made in your shop and show them on this page.

— THE EDITORS



The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

* PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WIS. SOLD ONLY BY SUBSCRIPTION - 50¢ THE YEAR.

★ E. G. HAMILTON - MANAGING EDITOR

A. M. WARKASKE - TECH. EDITOR

VOLUME SIXTEEN

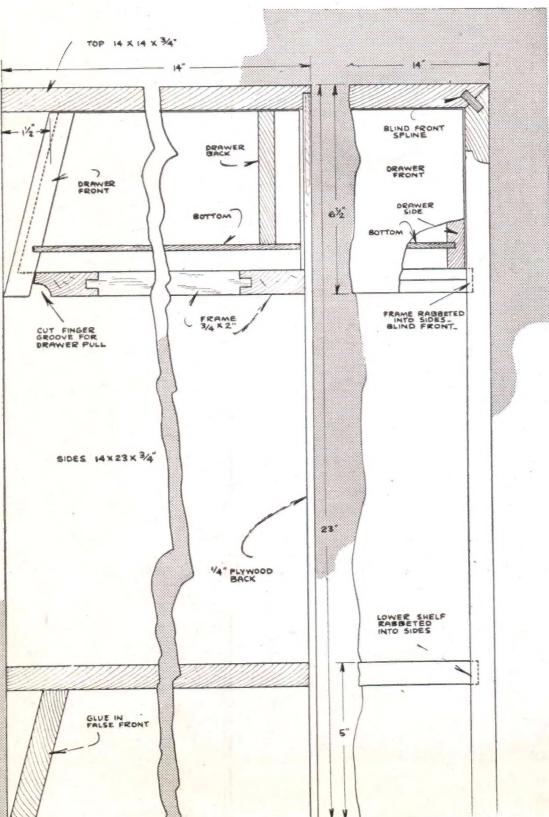
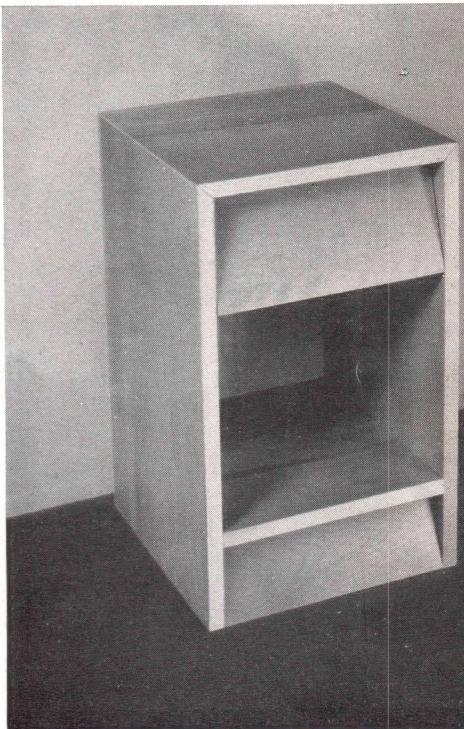
Issue No. 4, 1946, '47

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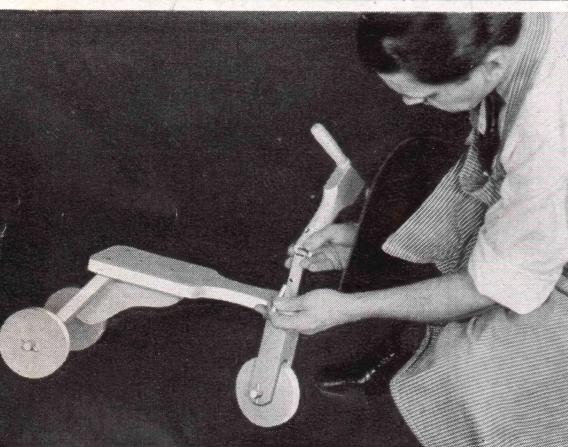
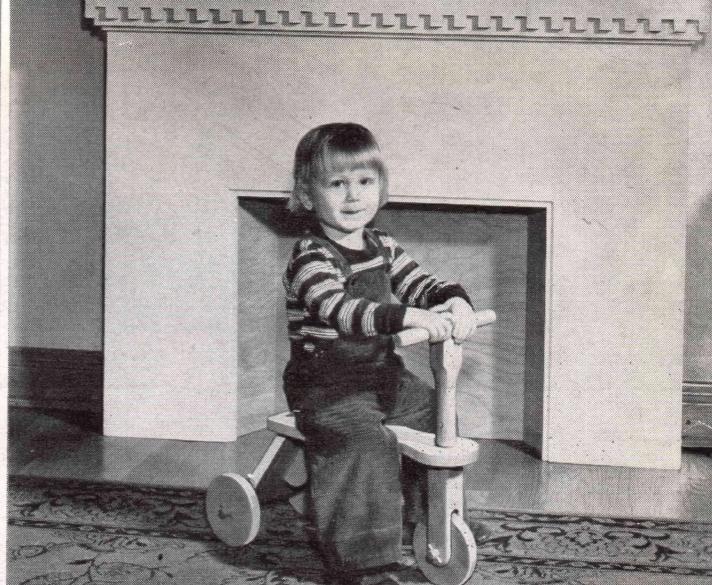
Night Table

PART III OF MODERN BEDROOM SET IN BIRCH

★ Here is another addition to the birch bedroom set. The first two projects which appeared were the chest of drawers and vanity. This night table has the same drawer treatment with slanting front and finger groove below the bottom edge which re-



quires no hardware for drawer pulls. Most of the stock used is $\frac{3}{4}$ " solid birch. The sides and top are mitered at the upper corners and held together with a blind front spline and glued. The drawer frame is rabbeted into the sides as shown in the drawing. The lower shelf and the back are also rabbeted in. (See details in drawing). The finish is natural, using one or two coats of white shellac and spar varnish. The wood should be selected to match the preceding pieces of the set which you have built.

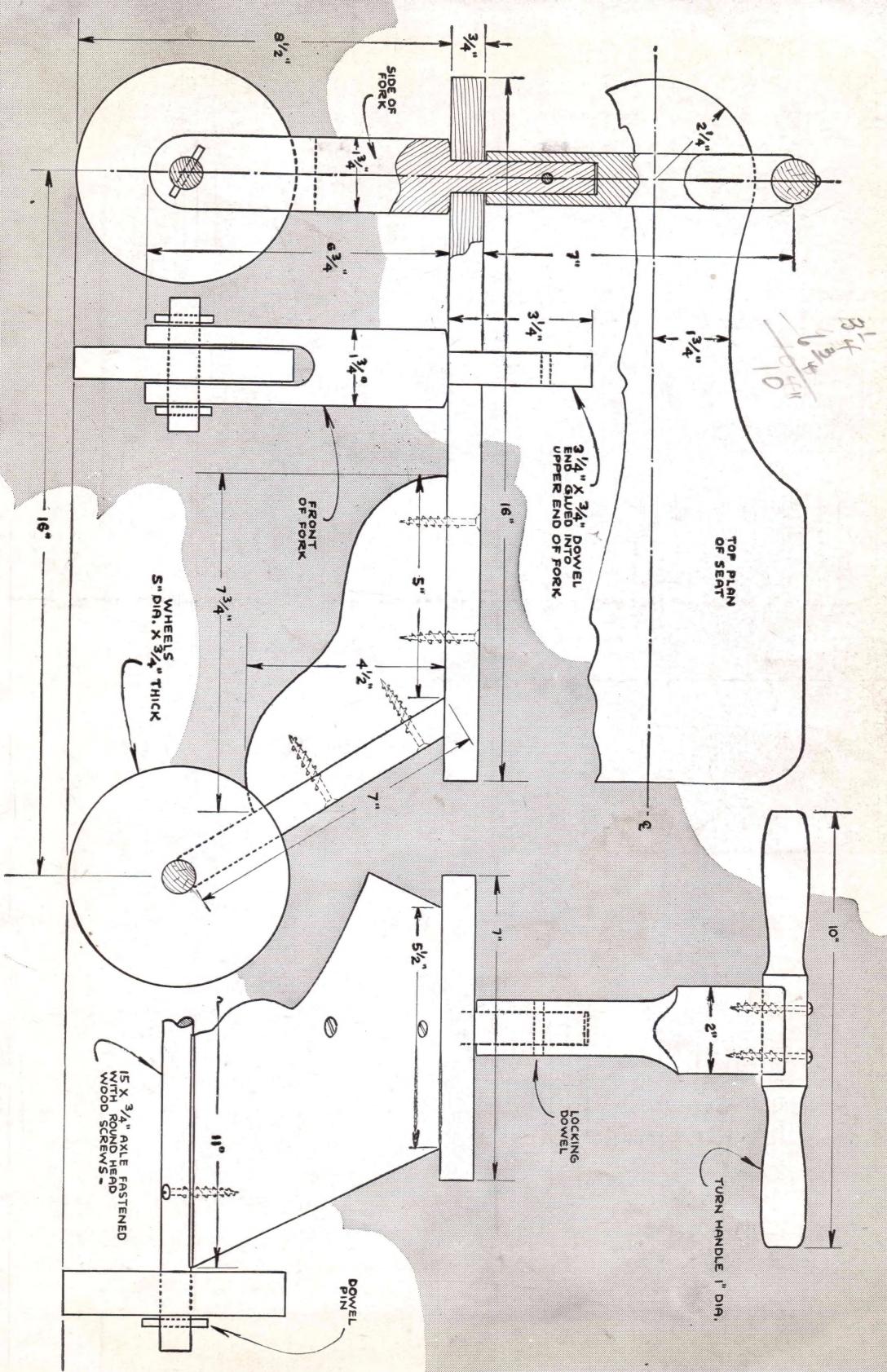


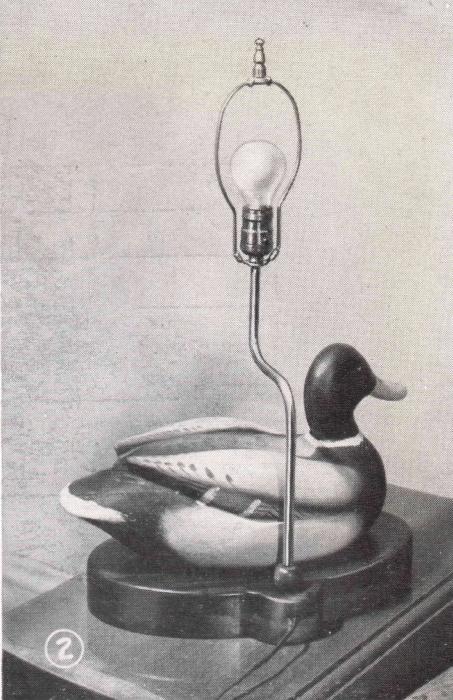
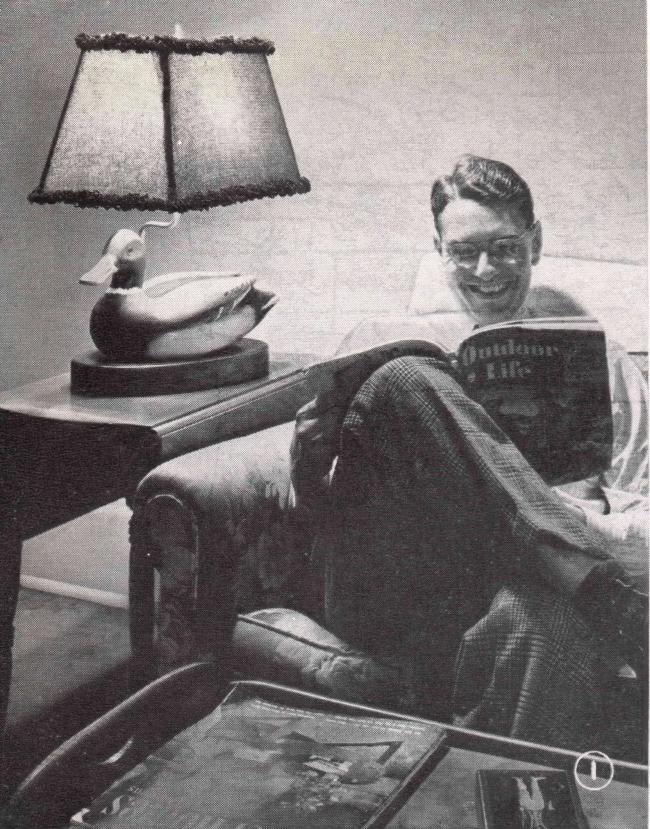
The top and bottom sections of the sprocket are fitted together and locked in the assembled portion with a cross dowel which may be either glued or left loose for disassembly.



KIDDIE CAR

★ Many times you have requested plans for a kiddie car such as presented here. The entire job should be made from hardwood such as birch or maple. The seat and main part of the body is $\frac{3}{4}$ " solid lumber. The front sprocket is turned on the lathe in two parts from $1\frac{3}{4}$ " square stock. The bottom section of the sprocket is left square and after turning the upper dowel section in the lathe the bottom section of this piece is bandsawed out to receive the front wheel and axle. The upper section is turned on the lathe and drilled to fit the dowel as shown in the drawing on the following page. All wheels are held on the axle with dowel pins as shown in the detailed drawing. The finish may be natural with bright enamel wheels and handle or use your own ideas. All edges should be sanded off round to prevent injury to the children.



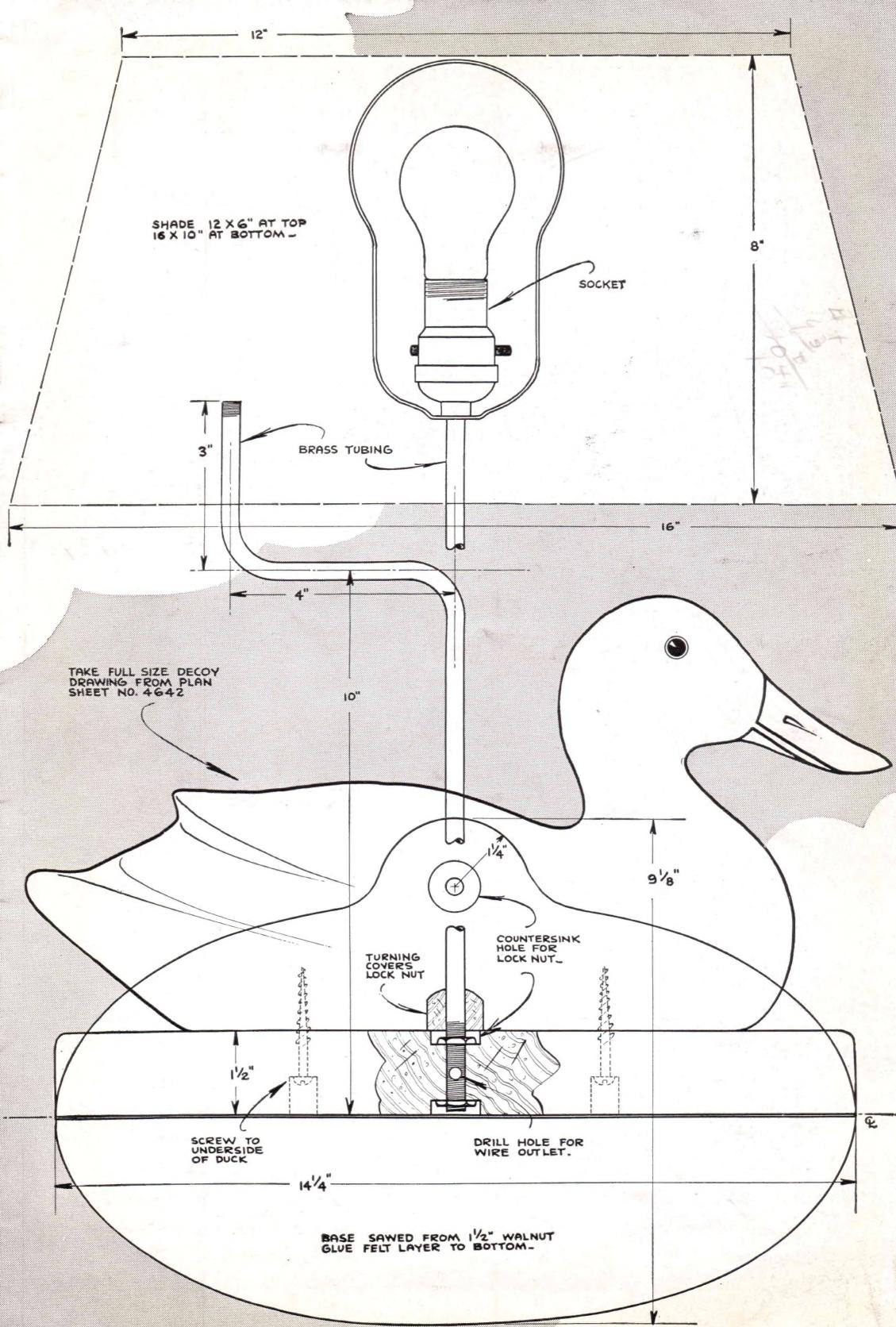


The decoy lamp shown above and left is painted to look like a green-head mallard drake. The shade in the original lamp was a medium green in color with dark green edgings.

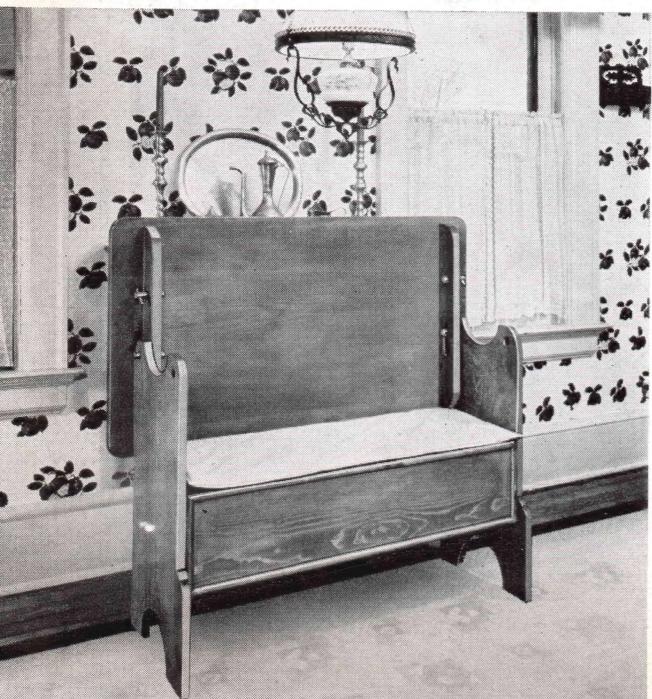
A DUCK DECOY LAMP

Make One for Your Sports Den

★ Here is an attractive and unusual table lamp which you can build from one of your old duck decoys or you may carve one especially for this purpose from our decoy plan sheet No. 4642. All details for carving such a decoy are contained in the plan sheet together with full-size drawings of the patterns. The lamp base itself is 1½" walnut lumber band sawed to the shape shown in the drawing. The top outside edge of this base should be quarter-rounded on the shaper with a suitable cutter. The decoy is screw fastened to the base with two R. H. wood screws counter sunk from the under-side. The shade and socket of the lamp are held in place on a length of brass tubing which is locked in place with two lock nuts through a counter sunk hole in the base as seen in the drawing on the following page. The shade may be purchased or made up at one of your local stores to your own specifications and color. Colors for painting your decoy may be checked by leafing through several of your sporting magazines.



KITCHEN BENCH TABLE



★ This novel bench table which you can build for your kitchen or breakfast room serves several purposes. In its table position shown in the upper photograph it serves as a breakfast table with ample room for serving two or three people. By withdrawing the two dowel pin locks shown in the detail drawing, one edge of the table top may be lifted and pivoted so that it slides back in the seat position shown in the lower photograph. In sliding this top down to a vertical position the slanted slot in the rails tightens the top against the edges, making a firm back for the seat. Also in the seat, storage space is provided by hinging the top cover as shown in the drawing. The half round moulding which trims the edge of the storage compartment is tacked and glued in place. If the table is made from birch or maple it may be given a Colonial finish by rubbing on a brown-orange maple stain. This should be blended by rubbing off excess stain around the edges of the table top and the ends. Finish by filling with shellac followed by spar varnish.

TABLE TOP
 $3/4 \times 24 \times 42"$

TOP TIPTS UP AND
DROPS DOWN ALONG
SIDE -

24"

3"

$3/4 \times 3 \times 22"$
RAILS

29"

WHEN TOP DROPS
IN PLACE TO FORM
SEAT BACK - SLANTED
SLOT TIGHTENS TOP
AGAINST SIDE -

CUT IN TWO TO
MAKE HINGED
STORAGE COVER

$3/4"$ DOWEL PIN LOCKS
TOP IN TABLE
POSITION.

TRIM SIDES OF
STORAGE SPACE
WITH HALF ROUND
MOULDING -

$16\frac{3}{4}"$

STORAGE
SPACE

TWO SIDES
 $3/4 \times 7\frac{1}{4} \times 36"$

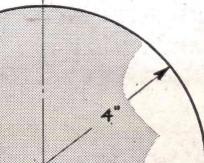
TOP AND BOTTOM
 $3/4 \times 12 \times 36"$

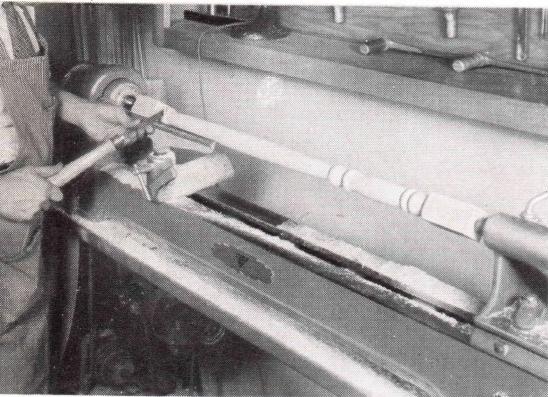
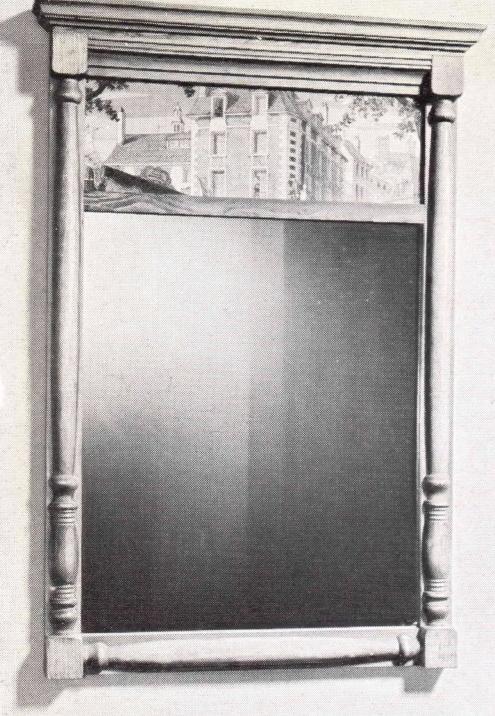
$10\frac{3}{4}"$

12"

15"

TWO ENDS
 $3/4"$ STOCK



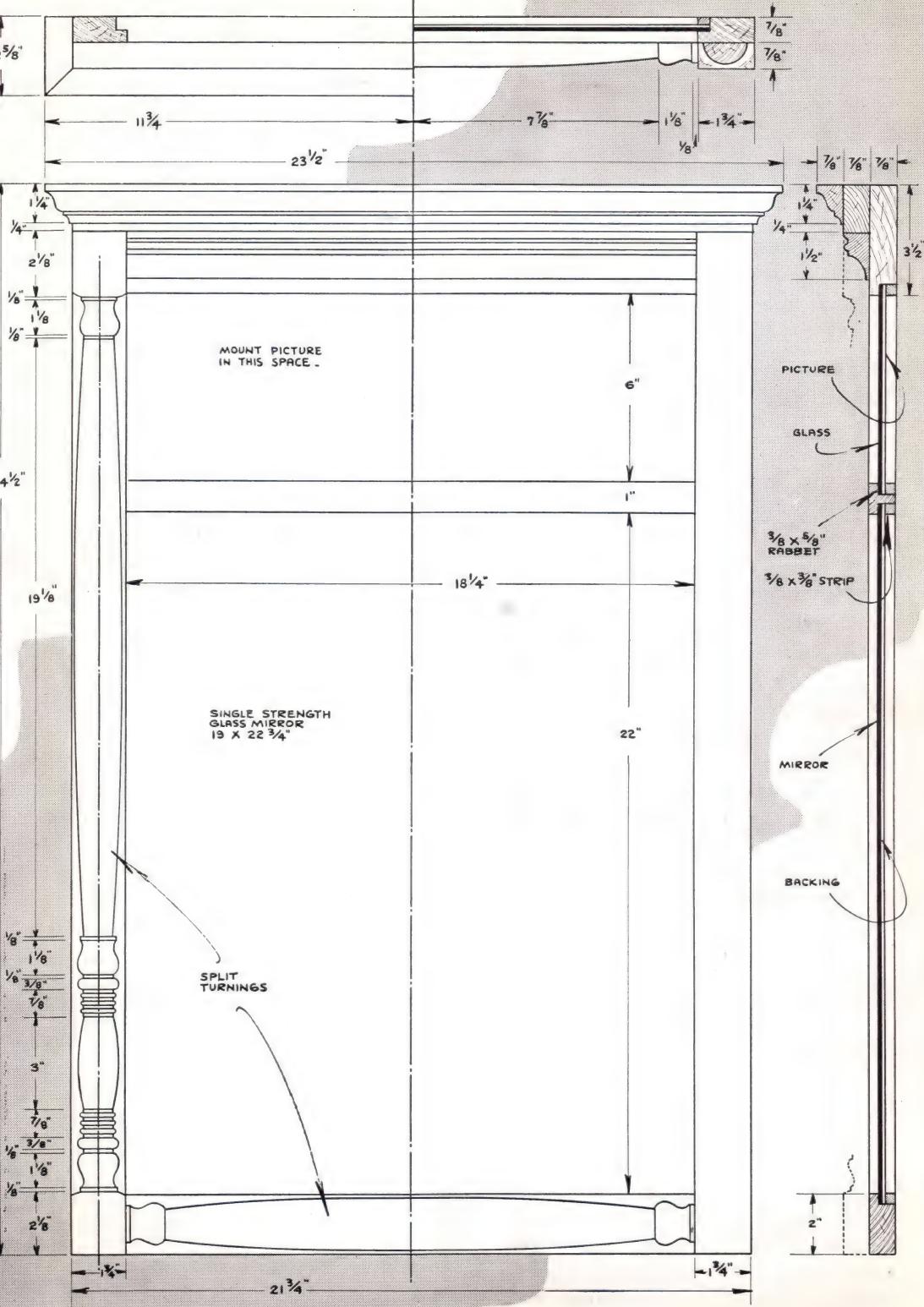


The wall mirror as shown above contains a space in the upper section for Colonial type print which may be purchased from one of the local art stores.

Split turnings are made by gluing up the two halves of the stock with newspaper between. After turning they are split apart with a sharp chisel.

Colonial **WALL MIRROR**

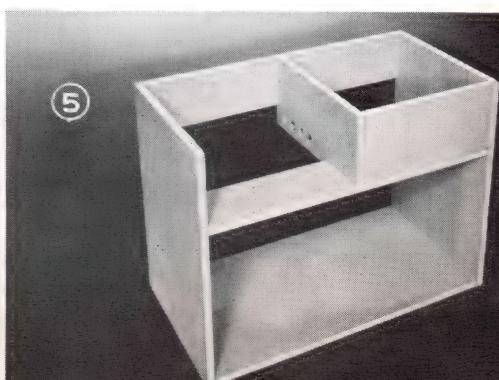
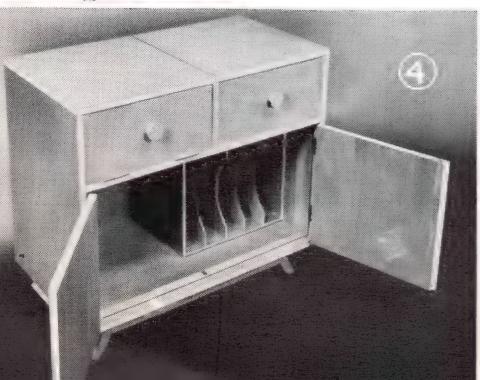
★ This project is in answer to several requests from our readers for a Colonial type mirror. This may be made from pine or hardwood as you prefer. Most of the construction detail is shown in the drawing on the following page. A single-strength mirror and glass to cover the upper picture half will have sufficient strength since they are enclosed in wood frames. The construction consists mainly of moldings which may be run on either the circular saw or shaper, and of lathe turnings which are split in half. Most craftsmen are familiar with methods of making half turnings. For more details see our operating manual "How to Get the Most Out of Your Lathe." The wood stock for such turnings is glued up in two halves with newspaper in between so that after the turning is complete they may be separated with a sharp chisel. The finish should be a sort of Colonial antique with the brown-orange color of Colonial furnishings and the high spots of the turning and moulding rubbed to a lighter shade.

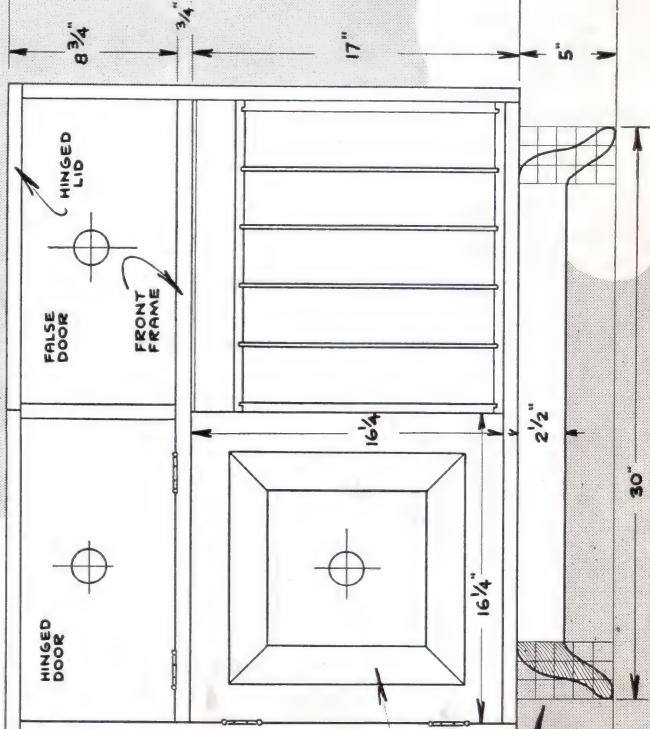
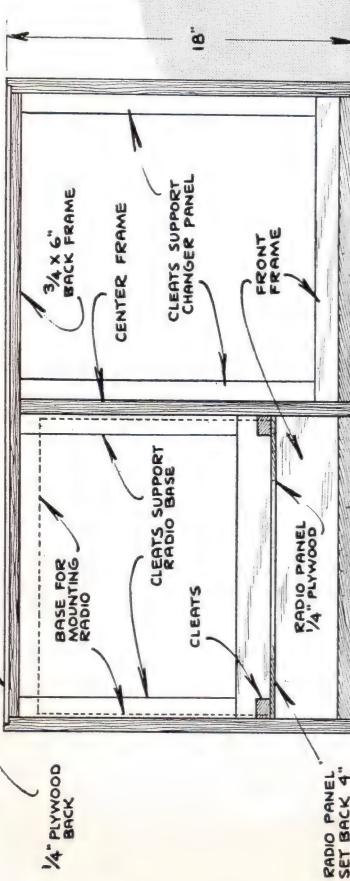
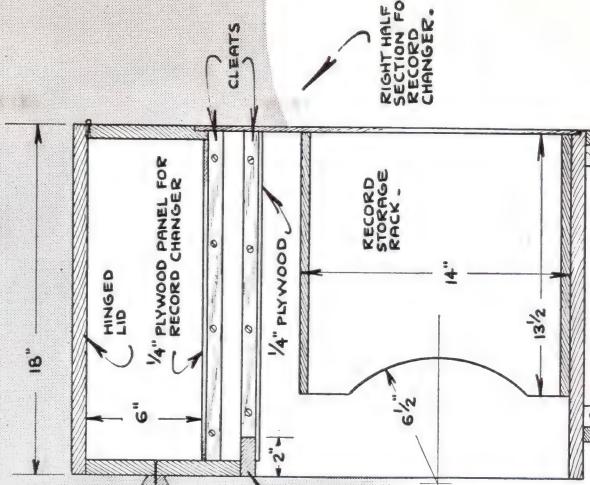
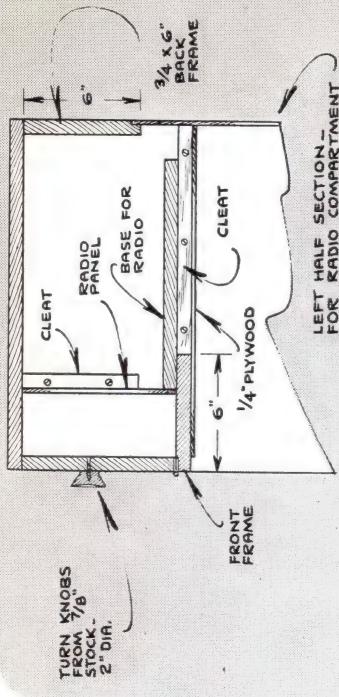




Radio-Phonograph **COMBINATION CABINET**

★ Here is a popular modern project which you know sells for several hundred dollars in any of your furniture stores today. Since the cabinet is a considerable part of any such set, the cost may be cut to a great extent. First, purchase from your local radio store an automatic record changer and suitable radio set which will fit the required space. Your radio man can connect the two so that the phonograph may be played through the radio. The drawing on the following page shows complete construction details for the cabinet. The only details left out are the exact fittings on the radio panel and the $\frac{1}{4}$ " plywood base for the record changer. These must be fitted to your purchased units. The cabinet is natural birch and you will notice the design matches several pieces previously shown in issues of the Deltagram.





$\frac{1}{4} \times 2"$ STRIPS
FASTENED
2" FROM
EDGE OF
DOOR -

SECTION OF
END OF BASE
 $1" \times 1"$
SQUARES

DELTACRAFT GUM AND PITCH REMOVER

When cutting quantities of pine or other type of wood containing excessive amounts of pitch or sap streaks your tools become covered with pitch which burns onto the blades, making them drag in cutting operations. This gum and pitch may be easily removed by using the new Deltacraft Gum and pitch remover. It keeps tools bright and new looking with one easy application of this quick-acting non-corrosive gum and pitch remover. It will improve your cutting and make your work cleaner and easier.

FOR all circular saws—band saws—shaper knives—circular saw moulding knives—hand saws—files—wood chisels—turning tools—drills—planer knives—planers—and many other tools used in cutting and shaping wood.

One bottle contains a sufficient amount for cleaning dozens of tools.

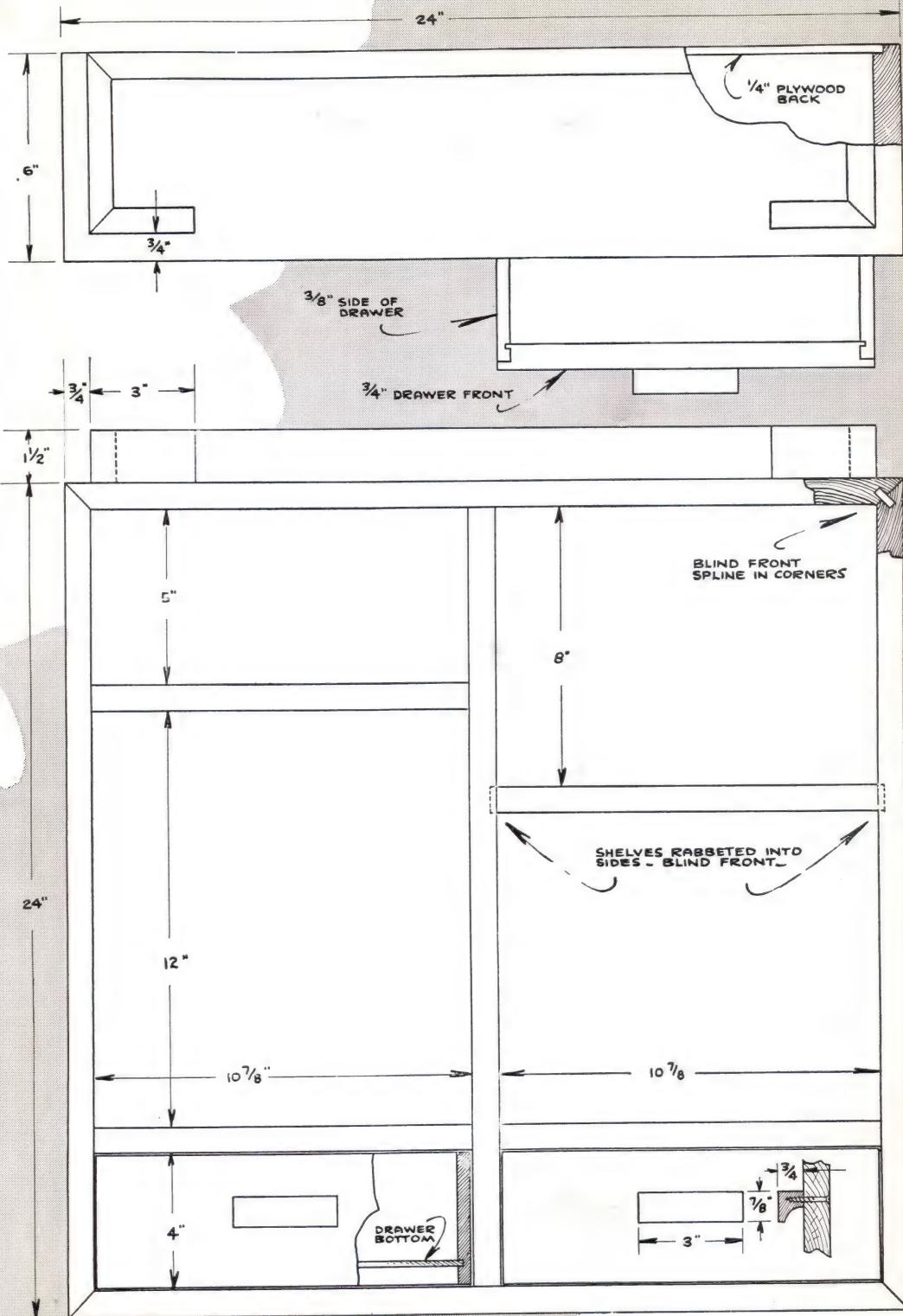
ORDER A BOTTLE TODAY — CATALOG No. 4051 — PRICE \$1.25



The simple wall cabinet shown above was made from birch or a similar hardwood and finished in its natural color.

Wall CABINET

★ This is a very simple cabinet in modern design which will fit nicely into that blank space on your wall. It was built entirely from $\frac{3}{4}$ " lumber with the exception of the drawer sides and bottom. The four corners of the main cabinet are mitered and glued together, using a blind front spline in the corner joints. The shelves are all rabbeted into the sides to a depth of $\frac{3}{16}$ " of an inch. The top railing is simply mitered, glued and nailed in place. The drawer handles are run on the shaper or with the molding cutter head in the circular saw and cut to length. A $\frac{1}{4}$ " plywood back rabbeted in on all sides completes the cabinet. The finish of the original was left natural after rubbing with linseed oil and sealing with white shellac.

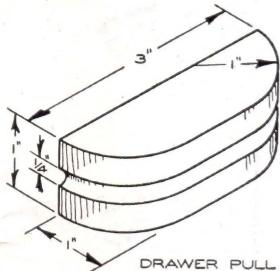
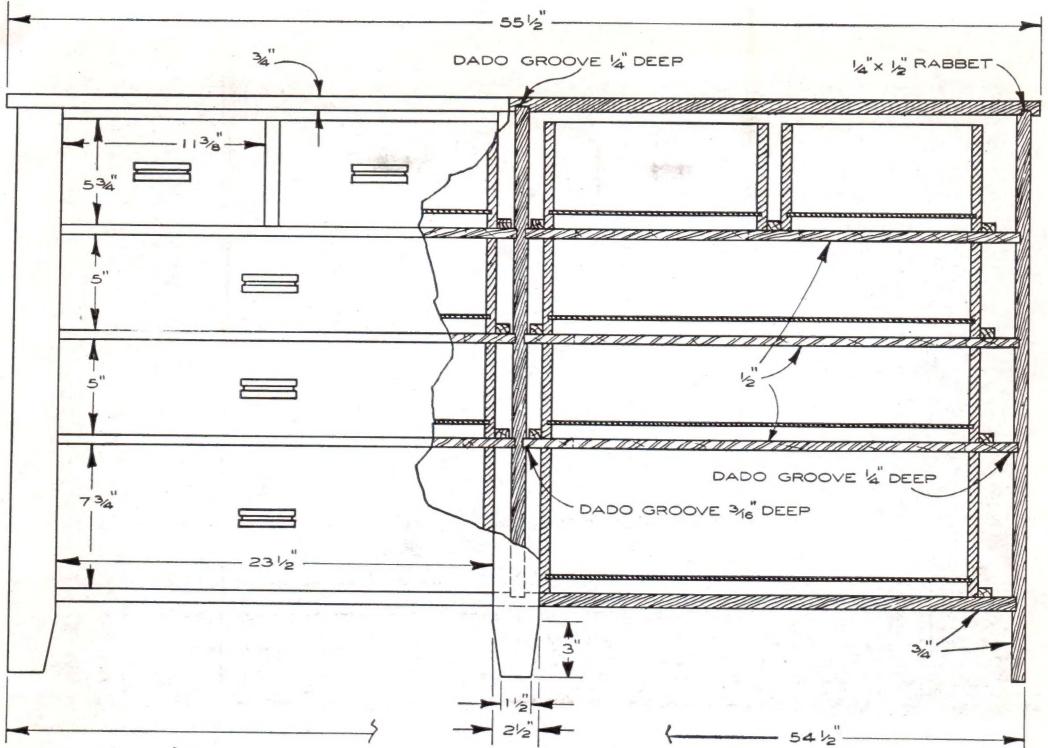




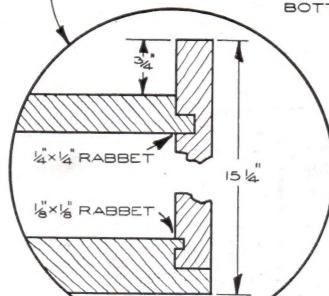
DOUBLE CHEST OF DRAWERS

★ Here is a really practical project for the home where there are two children of approximately the same age. Each will have his own individual drawer space when you build this double chest. The construction details and complete dimensions are shown in the detailed plan drawing on the following page.





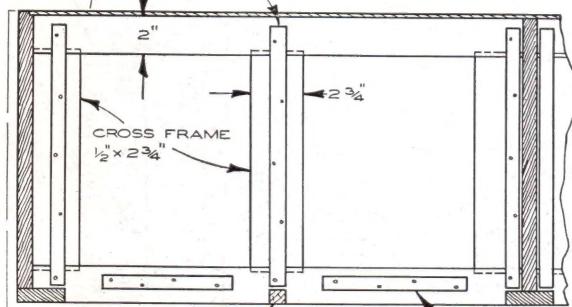
DETAIL ON DRAWER JOINERY



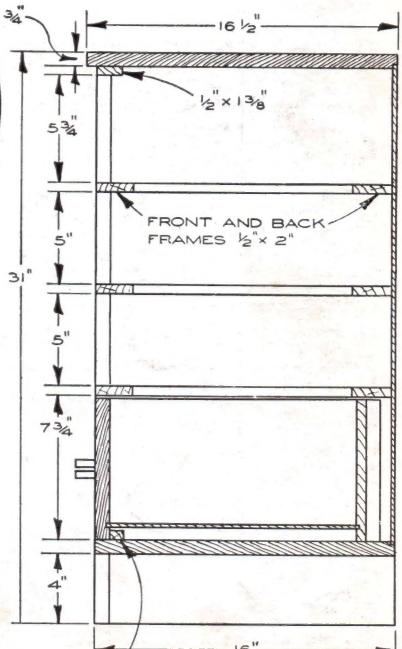
DRAWER FRONT - $\frac{3}{4}$ " MAPLE
SIDES AND BACK - $\frac{1}{2}$ " PINE
BOTTOM - $\frac{1}{4}$ " PINE, PLYBOARD OR PRESWOOD

$\frac{1}{4}$ " PLYBOARD OR PRESWOOD

$\frac{1}{2}'' \times \frac{3}{4}'' \times 14''$ RUNNER



DRAWER STOP BLOCK
 $\frac{1}{2}'' \times \frac{3}{4}'' \times 7\frac{3}{4}''$



FLYING CHIPS

Toymaking Business

London, England—I had your letter notifying me that I was to receive a parcel of books and almost every day until they came the first thing I asked my wife when I came home for tea was "Anything from America?"

Needless to say, I have spent most of the holidays reading your really excellent books. They have nearly led to my wife taking divorce proceedings for my neglect! The books you sent fill a long-felt want and will be most useful, privately and also in my daily job as woodwork master at school.

I am particularly interested—as a hobby—in small novelties and toys. There is not much I can do just now in the bigger line of projects due to the great shortage of timber. At present my workshop is the spare bedroom, but expect to have a real shop when we move to a larger house. I am making toys in small way at present and supply a local store with all the stock I can turn out.

I sure envy the Deltagram readers whose photos of their workshops appear on the Delta Craft Page. Perhaps some day I too will possess a shop like theirs. In the meantime I shall have to be content with my little bedroom.

Congratulations to the Delta Company on their very fine publishing achievements. R. E. W.

Restocking a Military Rifle

I am restocking my military rifle as described in the plans and instructions that were published in the May-June, 1945, issue of the Deltogram.

Can you furnish me a drawing of a checkering tool used in putting the check marks on the grip of a rifle. All I need is an idea of what the tool should be like. I'm sure I won't have any trouble making one. This tool is the only thing that's keeping me from finishing the stock. E. J. S.

The National Rifle Association of America, 1600 Rhode Island Ave., Washington 6, D. C., published an article on checkering in the March issue (1946) of the American Rifleman.

Brass and Aluminum Rod Stock

So. Vienna, Ohio—In working on some projects which require rod and sheet stock of brass and aluminum I find it impossible to find a source of supply in my locality. Can you recommend a source of such material? Will send pictures of projects when completed. C. J. D.

We suggest you write to Martin, Inc., 548 W. Rock Place, Milwaukee 12, Wisconsin. Kits of such material are available. We are certainly looking forward to seeing photos of your projects.

Drilling Holes in Glass and China

Tuscaloosa, Alabama—I have a problem which I am told you can help me with. I'm trying to learn how to drill holes in old china and glass such as vases, plates, bottles, etc. These are to be used in making lamps, and display pieces. Many of the vases and bottles have to have holes drilled through the sides or bottom for the cord or pipe to convert these to electric lamps.

What is the proper method of drilling these holes? What sort of drill should I use? Will the same drill work on both glass and china? I understand that drilling holes in glass is rather difficult, therefore I seek expert advice before I make the attempt.

G. A. S.

Answers to the above problems are described in detail on page 36 of our "Getting the Most Out of Your Abrasive Tools," or page 37 of "Getting the Most Out of Your Drill Press" manuals. Price of each manual is 25c.

How About Some Design Changes

Roselle Park, New Jersey—I have been a reader of the Deltogram for more than a year and have enjoyed your magazine very much. I find the projects in it very interesting and enjoy making them.

The only fault I can find with your publication is this—why all the designs on modernistic furniture? Why not give us some pegged maple or Pennsylvania Dutch Colonial designs. Anyway, we'd appreciate something that doesn't look like a lot of straight boards screwed or glued together. D. D. J.

We expect to feature Colonial furniture designs in future issues of the Deltogram. Any other particular designs of projects our readers would like to have appear in our publication will be considered by the editors.

Design For Pulpit Stand

Forest Lake, Minn.—I have several of your little books on how to make things and like them very much. Do you have a book or plan of a Pulpit Preacher stand? If you haven't published any can you tell me where I might get plans for one. It does not have to be too elaborate a design.

J. A. D.

Scroll Saw Wins Over Comic Books

Woodstock, Va.—Though I am only a boy of 12 I have subscribed to the Deltogram for two years. I find your magazine more popular with my friends than all the comic books.

My uncle bought me a jigsaw for Xmas. He is an electrician and has a big shop. He and I share the same work bench. This bench is very wide, so he uses one side and I the other. Our big problem is, how we can keep our tools from getting mixed.

Since I have acquired the scroll saw and part of a work bench I have made many useful articles. Some are used around our house, and others I sold.

My latest project, which I am now making for one of my customers is a night stand. I am using your design plan which appeared in a recent issue of the Deltogram.

J. H.

Plans on Ping Pong Table

Victoria, B. C.—Some time ago I saw a ping pong table design in one of your earlier issues of the Deltogram. This was the one that folded back to make two seats. Do you still have these plans. I expect that $\frac{3}{4}$ " plywood would be best for the top and framework. Detailed plans with construction information and dimensions would be greatly appreciated.

A. W. B.

Our book entitled "Toys, Games and Playground Equipment" features the portable type Tennis Table. Price of this book is 10c.

16-Foot Boat Plan

Tulsa, Oklahoma—If there is to be a 16-foot boat plan as suggested by R. F. N. of Hudson, N. J. on the Flying Chips Page in a recent Deltogram let's be sure it's a good one or none at all. Another thing, how about publishing the drawings in the Deltogram? That's what we subscribe for.

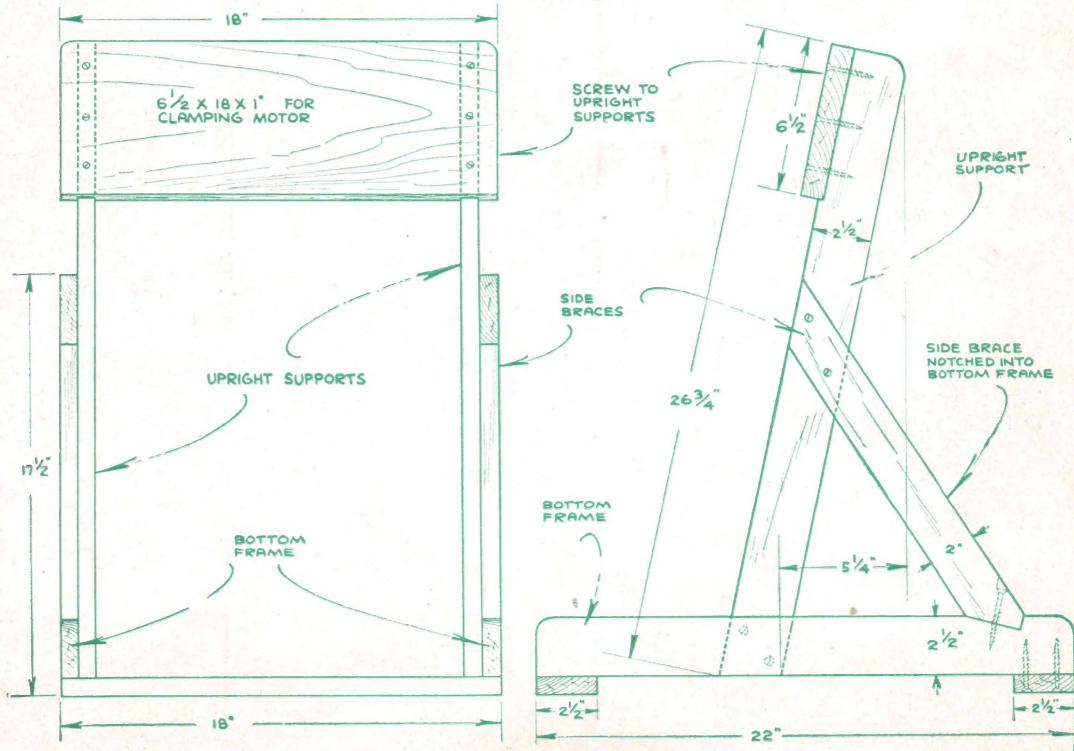
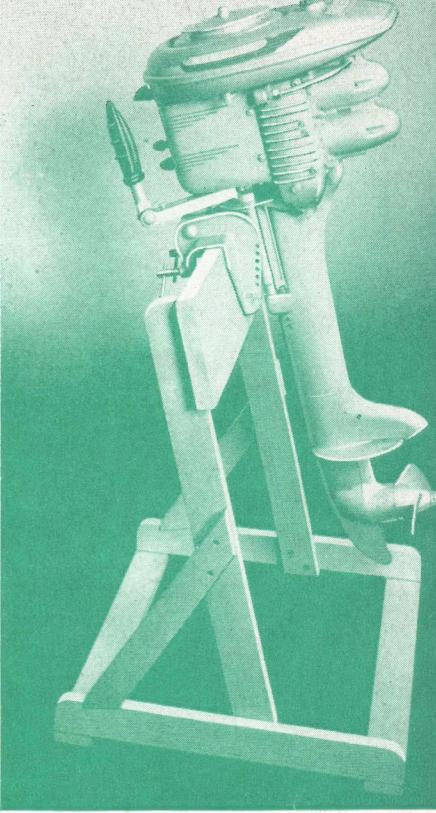
Have the bottom planked with $\frac{1}{2}$ " stock for service and durability. The sides could be $\frac{1}{4}$ " waterproof plywood for light weight. This would make a dry boat even in rough weather. Any boat is dry when the water is calm.

E. L. L.

The reason we have plan sheets instead of featuring boat designs in the Deltogram is to give the craftsman full size drawings of the rib construction.

OUTBOARD MOTOR STAND

★ This useful project will enable the outboard motor owner to store that valuable outboard in its correct and recommended position. When the motor is kept upright it prevents oil or gasoline from leaking into the spark plug openings which fouls the plugs. The stand may be constructed from scrap lumber or any hardwood. The dimensions are general and may be varied somewhat to fit the individual motor. A coat of boiled oil brushed into the stand will prevent the wood from drying out and preserve it.

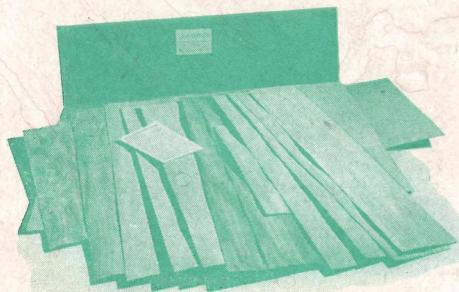


VENEER KITS



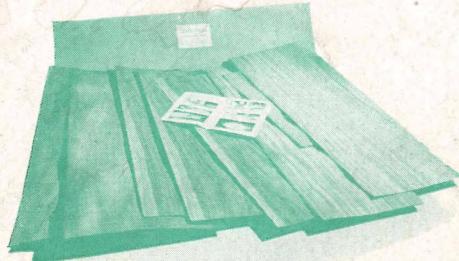
Veneer Kit No. 5032—Price \$9.00

Here is the veneer kit that is the most popular of all because not only does it have a tremendous amount of material, but the veneers themselves are so beautiful and so beautifully grained that craftsmen everywhere desire it. We suggest you get this kit at the start because you will be saving money for yourself and will have enough veneer to keep you going for a long time. It has 80 square feet of both domestic and imported woods.



VENEER KIT NO. 5031—\$3.74

The woods are so beautiful, the grain is so pronounced that as soon as you see this fine selection you will be anxious to make more and more projects using these fine veneers. The kit contains a total of 24 square feet and the price is very low.



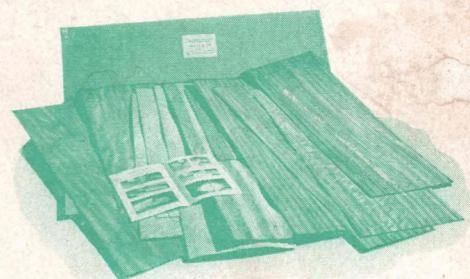
VENEER KIT NO. 5029—\$1.50

Here you have a kit of 18 square feet. This is an excellent kit for a beginner or someone who wants to try a small amount of veneering, yet there is enough in the kit to cover a large area.

The woods contained in these various kits have been carefully chosen so that you will find in each one of them just exactly the types you need with a wide selection of woods and grains. Each kit is carefully numbered and carefully packed. **ORDER YOURS TODAY!**

You will find in these kits the type of material you have always wanted for good veneer work.

The material itself is of the best obtainable which we procure from one of the world's largest rare woods importers. You will find here excellent veneer beautifully grained, free from blemishes, and thoroughly dried and straight so it is a pleasure to work with them so that you can make beautiful inlays and marquetry work with the least amount of effort.



VENEER KIT NO. 5030—\$1.96

Here you have a section of the most famous domestic woods—maple, birch, sycamore and oak. All of them are beautifully grained, carefully selected. There is a total of 24 square feet in this kit.



VENEER KIT NO. 5033—\$4.00

Here is your chance to get a rare collection of fine woods gathered from all corners of the world. Fifty samples of 4" x 9", large enough to allow a detailed study for texture and character and invaluable for planning your projects.



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ROCKWELL MANUFACTURING COMPANY

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